

WeeklyReport_2018-11-05_11-11_E

Week Overview

- this week I prepared for the final work in many class
- $6 + 9 + 9 + 9 + 6 + 7 + 7 = 53$ hours

Project: RSATree

- I modify the sat into sparse matrix. and modify some datastrue. complete the inndim data modify
- After discussion, We found that the height of the tree is not high enough. so we canincrease the height of the tree by modifying the capacity limit of the non-leaf nodes.
- However, various memory bugs were discovered during the modification process. After that, I spent a lot of effort on another version of the vector management memory, which was much slower. . After a lot of twists and turns, I found that the previous bug code can run again. . Equivalent to white writing
- The problem now is that there are some inexplicable problems in the flight dataset.
- The problem of the windows database connection that has been accumulated and the modification of the query are temporarily put on hold because it is not important.

Paper Reading

- Nanocubes for Real-Time Exploration of Spatiotemporal Datasets

A paper focusing on high-dimensional data queries similar to our paper, using quadtree and sat and tree insert

- Hashedcubes: Simple, Low Memory, Real-Time Visual Exploration of Big Data

Imporvement of Nanocube

Other

- prepare for final test of socialism with Chinese characteristics
- attend contest in leetcode and nowcoder
- learn course in mlcourse.ai (Assignmant 5)
- no time for Learn d3, temporarily this thing can't be done.

Short-term perspective

Work	deadline	Tip
solve the problem in flight database	Tue	RSATree
Try the taxi database	Fri	RSATree
write the difference function	Sun	RSATree

Long-term perspective

Work	deadline	Tip or Progress
RSATree Project	11.01	
GraphLayout	12.01	understand the visualization part
learn course in mlcourse.ai	19-1.01	